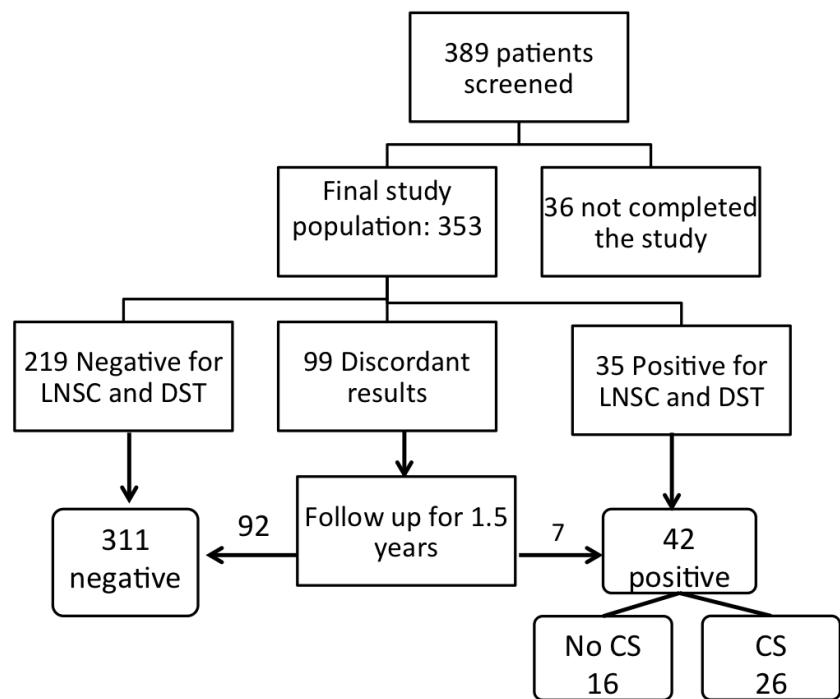
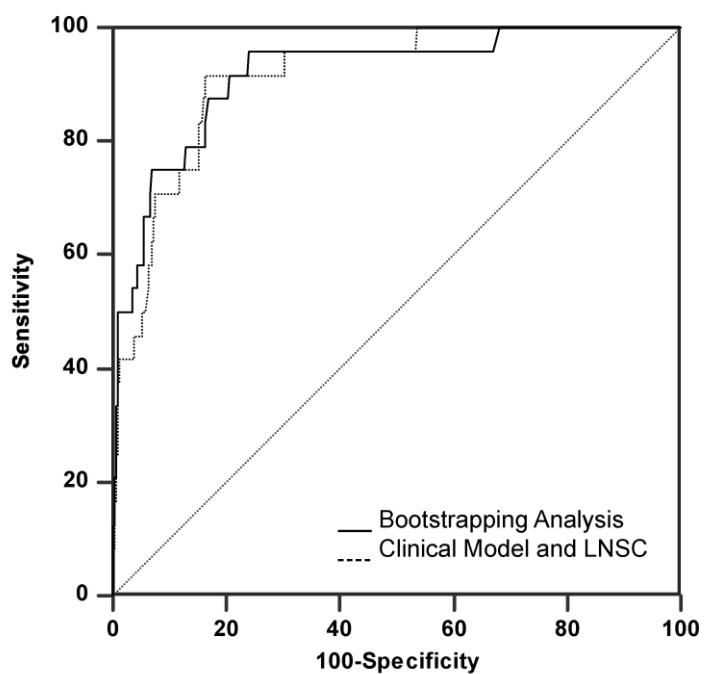


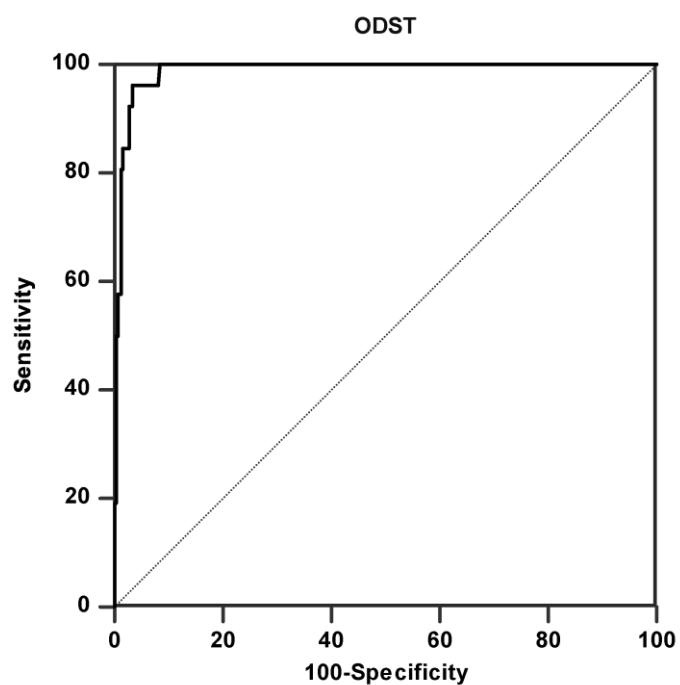
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Supplemental Figure 1. Flowchart of patients evaluated in the study. CS, Cushing's syndrome; DST, 1 mg dexamethasone suppression test; LNSC, Late night salivary cortisol.



Supplemental Figure 2. Receiver operating characteristic (ROC) curve of the clinical model, and the combined clinical model and LNSC in diagnosing Cushing's Syndrome after bootstrapping analysis.



Supplemental Figure 3. Receiver operating characteristic (ROC) curve of a low-dose (1 mg) dexamethasone suppression test (ODST) in diagnosing Cushing's syndrome.

Supplemental Table 1. Comparison of false-positive patients and true-positive patients (confirmed CS) as determine by application of the risk score based on the clinical and LNSC model (score equal or greater than 4).

Variables	Absence of CS (n=56)	CS (n=25)	p-value
Gender, female	64.3	60.0	0.712
Age (years)	55 [48-62]	51 [38-53]	0.243
BMI, kg/m ²	37.54 [33.4-41.4]	35.38-[30.3-37.6]	0.034
Waist, cm	120 [106-125]	118 [97-124]	0.351
SBP, mmHg	140 [130-150]	143 [130-150]	0.652
DBP, mmHg	85 [75-90]	85 [75-90]	0.338
HbA1c, %	7.25 [5.9-7.9]	5.55 [5.3-7.0]	0.003
Obesity	69.1	25.9	0.048
Type 2 Diabetes	71.4	36.0	0.003
Hypertension	85.7	80.0	0.517
Hirsutism	17.9	32.0	0.157
Osteoporosis	7.1	20.0	0.089
Dyslipidemia	76.8	44.0	0.004
Cerebrovascular diseases	0	0	
Cardiovascular diseases	14.4	24.0	0.285
Respiratory diseases	32.1	20.0	0.263
Psychiatric manifestations	25.0	12.0	0.184
Carbohydrate metabolism disorders (except Diabetes)	7.3	12.0	0.488
Dorsocervical fat pad	30.9	52.0	0.071
Purple striae	7.3	16.0	0.228
Muscular atrophy	5.3	24.0	0.016
LNSC (nmol/L)	10.91 [9.6-12.8]	12.70[9.99-17.6]	0.028

Data are presented as median (interquartile range) for continuous variables and percentages for categorical variables. BMI, Body mass index; CS, Cushing Syndrome; CI, confidence interval; DBP diastolic blood pressure; IQR, interquartile range; LNSC, Late night salivary cortisol; OR, Odds Ratio; SBP, systolic blood pressure.